

Table title : Air cooled Scroll Chiller Specification

| Model | | MC-SS65/RN1L | |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|----------------------------|
| Cooling Capacity | | kW | 65 |
| Heating Capacity | | kW | 69 |
| Power input | Cooling | kW | 20.4 |
| | Cooling rated current | A | 36.5 |
| | Heating | kW | 21.5 |
| | Heating rated current | A | 37.2 |
| EER | | kW / kW | 3.19 |
| COP | | kW / kW | 3.21 |
| Power supply | | V/Ph/Hz | 380-415/3/50 |
| Power supply | Manual switch | A | 125 |
| | Fuse | A | 100 |
| Max. Input consumption | | kW | 29 |
| Rated current | | A | 54.5 |
| Max. starting current | | A | 260 |
| Compressor | Type | Scroll (fixed speed) | |
| Refrigerant | Type | R410A | |
| | Refrigerant control | EXV+ capillary | |
| | Weight | kg | 11.5 |
| Condenser (Air side) | Type | Fin-coil | |
| | Number of rows | 2 | |
| | Fan motor rated current | A | 3.7x2 |
| | Fan motor input | kW | 0.8x2 |
| Evaporator (Water side) | Type | Shell-tube | |
| | Water pressure drop | kPa | 30 |
| | Volume | L | 35 |
| | Water inlet/outlet pipeline inside normal diameter | mm | DN65 |
| | Water flow | m3/h | 11.2 |
| | Max. design pressure | MPa | 1 |
| | Water pipe connection type | Flexible joint(Flange) | |
| | Net(DxHxW) | mm | 2000x1770x960 |
| | Packing size(DxHxW) | mm | 2090x1890x1030 |
| Weight | Net weight | kg | 530 |
| | Operation weight | kg | 590 |
| Connection wiring | Power wire | mm2 | 16x4+10x1 |
| | Signal wire | mm2 | 0.75x3-core with shielding |
| Control type | Wired controller | | |
| Safety protection device | 1) Protection for over-high discharge pressure. 2) Protection for over-low suction pressure. 3) Power supply phase sequence protection. 4) Anti-freezing protection in cooling mode. 5) Anti-freezing protection in Winter. 6) Protection for compressor over current. 7) Protection for compressor overload. 8) Outlet and inlet water temperature difference protection. 9) Compressor discharge temperature protection. 10) Water flow cut-off protection. 11) Sensor malfunction protection. 12) Low ambient temperature drive-up protection 13) Low temperature protection of shell and tube heat exchanger. | | |
| Noise level | dB(A) | 67 | |
| Operation water temp | °C | Cooling : 0 ~ 17(Less than 5°C must add antifreeze) Heating : 25 ~ 50 | |
| Ambient temp | °C | Cooling : -10 ~ 46 Heating : -15 ~ 24 | |



Note: Specifications are based on the following conditions:

Cooling : chilled water inlet/outlet: 12°C / 7°C, and outdoor ambient temp. of 35°C DB.

Heating : heat water inlet/outlet: 40°C / 45°C, and outdoor ambient temp. 7°C DB/6°C WB.

Water side fouling factor: 0.086m²C /kW.